

Product Overview LaserVision Systems

	LaserVision 6 HS (standalone)	LaserVision 6 HI (inline)	LaserVison Compact 3 (tabletop version)	LaserVision Compact 3 light (tabletop version)					
General data									
Dimensions (W x D x H)	1.000 x 1.040 x 1.550 mm	1.000 x 1.040 x 1.890 mm	850 x 920 x 440 mm	850 x 920 x 440 mm					
Weight	240 kg	270 kg	60 kg	60 kg					
Compressed air	-	min. 4 bar	-	-					
Power supply	230V / 3A or 110V / 6A	230V / 3A or 110V / 6A	230V / 3A	230V / 3A					
PCB handling									
Working area	350 x 340 mm	550 x 356 mm	450 x 350 mm	450 x 350 mm					
Pass through height	above 65 mm, below: 55 mm	above 65 mm, below: 55 mm	above and below: 45 mm	above and below: 45 mm					
Height measurement by laser triangulation	optional	optional	-	-					
Inline package with transport system, stoplight, SMEMA-Interface, component clamping and support	-	yes	-	-					
Automatic drawer for components	-	-	yes	yes					
Inspection speed									
N°of components per hour	180.000	180.000	100.000	30.000					
Sensor and lighting system									
Orthogonal sensor module with camera resolution (µm)	3 resolutions to select: 55,3 15,7 8,6			3 resolutions to select: 55,3 15,7 8,6		2 resolutions to select: 18,7 10,0		resolution: 18,7	
Field of vision (mm)	50,90 x 39,80	34,50 x 27,20	21,10 x 17,60	50,90 x 39,80	34,50 x 27,20	21,10 x 17,60	26,00 x 19,40	13,90 x 10,40	19,30 x 14,60
Pixel	920 x 720	2200 x 1730	2448 x 2050	920 x 720	2200 x 1730	2448 x 2050	1390 x 1038	1390 x 1038	1034 x 779
Testable component size	THT up to 65 mm	pitch 0.4 0402	pitch 0.3 01005	THT up to 65 mm	pitch 0.4 0402	pitch 0.3 01005	pitch 0.4 0402	pitch 0.35 0201	pitch 0.4 0402
Telecentric lense	yes			yes			yes		optional
LED- top lighting with 4 lateral lighting units (free adjustable)	yes			yes			yes		yes
Processing computer									
Intel-CPU with operating system XP	yes				yes				yes
LCD Monitor 19"	yes				yes				yes
Image processing and ethernet card	yes				yes				yes
ISDN/Modem	yes				yes				yes
Exchangeable hard disk	yes				yes				-

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Software				
Software for repair station (LVRepair + LVBoard licence)	yes	yes	yes	yes
Universal CAD-data converter	yes	yes	yes	yes
Fault statistic module (LVStat)	yes	yes	yes	optional
Transfer of test results to external QMS	yes	yes	yes	yes
Standard routines for image processing				
Component angel 0 – 360° supported	yes	yes	yes	yes
Presence and polarity verification on all THT and SMD components	yes	yes	yes	yes
Measurement of component position	yes	yes	yes	yes
Solder joint inspection (THT, SMD, ICs)	yes	yes	yes	yes
Short-circuit tests (solder bridges)	yes	yes	yes	yes
Solder paste inspection (2-D)	yes	yes	yes	yes
Initial sample test	yes	yes	yes	yes
Barcodes readable with camera	yes	yes	yes	yes
Optical character verification module	yes	yes	yes	yes
Programming				
Lead time for programming (reference value for double Euro with 500 components)	2h	2h	2h	2h
Automatic program generation from CAD-data	yes	yes	yes	yes
Automatic change-management of board revisions	yes	yes	yes	yes
Automatic generation of programs vor first off	yes	yes	yes	yes
Inspection alternatives for component versions	yes	yes	yes	yes
Automatic camera and test route optimisation	yes	yes	yes	yes
Array test for easy reproduction of similar individual routines	yes	yes	yes	yes
Available Options				
Offline-Software licence for an additional user	yes	yes	yes	yes
Desktop-PC for repair station or offline programming	yes	yes	yes	yes

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Additional Software license for a further repair station	yes	yes	yes	yes
Barcode scanner (hand-scanner)	yes	-	yes	yes
Barcode scanner (inline-scanner)	-	yes	-	-
Label printer	yes	yes	yes	yes
Shuttle-transverse displacement	-	yes	-	-
Handling components (Loader/Unloader)	-	yes	-	-
Repair conveyor belt	-	yes	-	-
Automatic width adjustment for supplementary equipment	-	yes	-	-



PRÜFTECHNIK Schneider & Koch Ingenieurgesellschaft mbH
 Fahrenheitstraße 10
 28359 Bremen

Tel.: 0421 – 22 300 30, Fax: 0421 – 21 54 55
info@prueftechnik-sk.de
www.prueftechnik-sk.de

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